

# FIG. 1A

5'	CTT	TTT	GGG	ATC	ACT	GCT	GGG	GCC	ACC	GGG	GCC	AAG	CTA	GGC	TCG	GAT	GAG	AAG	
	L	F	G	I	T	A	G	A	T	G	A	K	L	G	S	D	E	K	
			65			74			83			92			101			110	
	GAG	TTG	ATC	CTG	CTG	TTC	TGG	AAA	GTC	GTG	GAT	CTG	GCC	AAC	AAG	AAG	GTG	GGA	
	E	L	I	L	L	F	W	K	V	V	D	L	A	N	K	K	V	G	
			119			128			137			146			155			164	
	CAG	TTG	CAC	GAA	GTG	CTA	GTT	AGA	CCG	GAT	CAG	TTG	GAA	CTG	ACG	GAG	GAC	TGC	
	Q	L	H	E	V	L	V	R	P	D	Q	L	E	L	T	E	D	C	
			173			182			191			200			209			218	
	AAA	GAA	GAA	ACT	AAA	ATA	GAC	GTC	GAA	AGC	CTG	TCC	TCG	GCG	TCG	CAG	CTG	GAC	
	K	E	E	T	K	I	D	V	E	S	L	S	S	A	S	Q	L	D	
			227			236			245			254			263			272	
	CAA	GCC	CTC	CGA	CAG	TTT	AAC	CAG	TCA	GTG	AGC	AAT	GAA	CTG	AAT	ATT	GGA	GTA	
	Q	A	L	R	Q	F	N	Q	S	V	S	N	E	L	N	I	G	V	
			281			290			299			308			317			326	
	GGG	ACT	TCC	TTC	TGT	CTC	TGT	ACT	GAT	GGG	CAG	CTT	CAT	GTC	AGG	CAA	ATC	CTG	
	G	T	S	F	C	L	C	T	D	G	Q	L	H	V	R	Q	I	L	
			335			344			353			362			371			380	
	CAT	CCT	GAG	GCT	TCC	AAG	AAG	AAT	GTA	CTA	TTA	CCT	GAA	TGC	TTC	TAT	TCC	TTT	
	H	P	E	A	S	K	K	N	V	L	L	P	E	C	F	Y	S	F	
			389			398			407			416			425			434	
	TTT	GAT	CTT	CGA	AAA	GAA	TTC	AAG	AAA	TGT	TGC	CCT	GGT	TCA	CCT	GAT	ATT	GAC	
	F	D	L	R	K	E	F	K	K	C	C	P	G	S	P	D	I	D	
			443			452			461			470			479			488	
	AAA	CTG	GAC	GTT	GCC	ACA	ATG	ACA	GAG	TAT	TTA	AAT	TTT	GAG	AAG	AGT	AGT	TCA	
	K	L	D	V	A	T	M	T	E	Y	L	N	F	E	K	S	S	S	
			497			506			515			524			533			542	
	GTC	TCT	CGA	TAT	GGA	GCC	TCT	CAA	GTT	GAA	GAT	ATG	GGG	AAT	ATA	ATT	TTA	GCA	
	V	S	R	Y	G	A	S	Q	V	E	D	M	G	N	I	I	L	A	
			551			560			569			578			587			596	
	ATG	ATT	TCA	GAG	CCT	TAT	AAT	CAC	AGG	TTT	TCA	GAT	CCA	GAG	AGA	GTG	AAT	TAC	
	M	I	S	E	P	Y	N	H	R	F	S	D	P	E	R	V	N	Y	
			605			614			623			632			641			650	
	AAG	TTT	GAA	AGT	GGA	ACT	TGC	AGC	AAG	ATG	GAA	CTT	ATT	GAT	GAT	AAC	ACC	GTA	
	K	F	E	S	G	T	C	S	K	M	E	L	I	D	D	N	T	V	



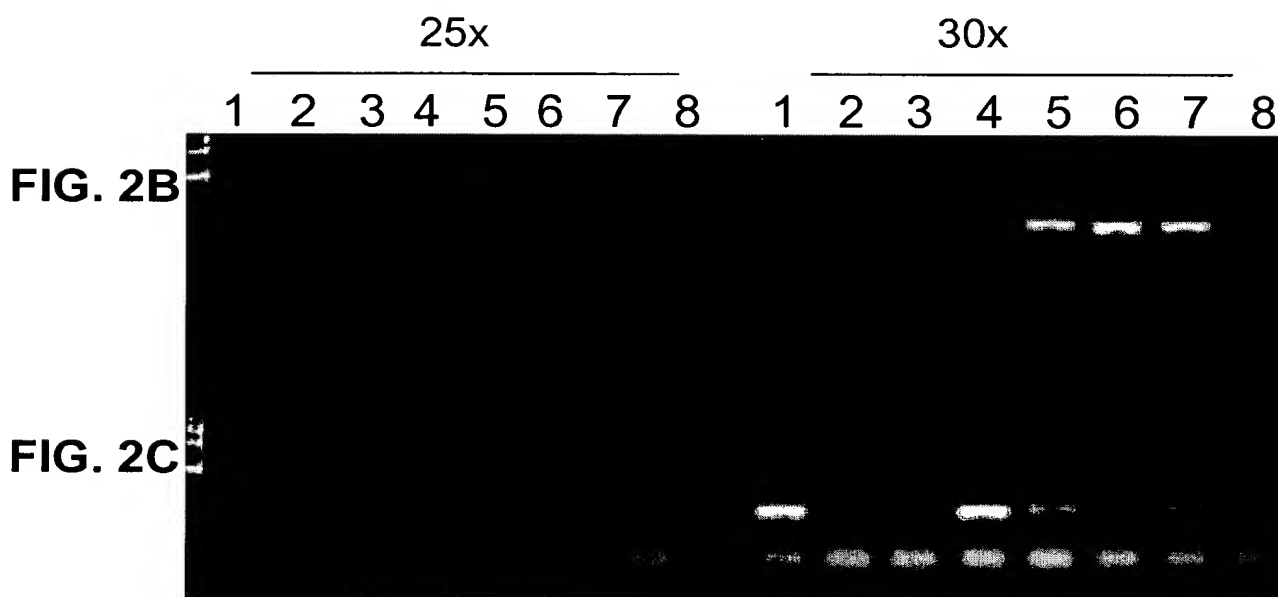
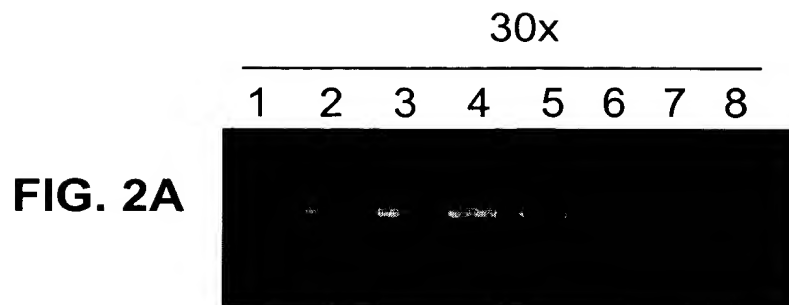
FIG. 1C

1307	1316	1325	1334	1343	1352
GTT AGA GAC TGT	ATA CGC CTT	CGA GGT CTT	CCC TAT GCA	GCC ACA ATT	GAG GAC
V R D C	<b>E R L R S L</b>		P Y A A	T I	E D
1361	1370	1379	1388	1397	1406
ATC CTG GAT TTC	CTG GGG GAG	TTC GCC ACA	GAT ATT CGT	ACT CAT GGG	GTT CAC
I L D F	L G E F	A T D I	R T H G	V H	
1415	1424	1433	1442	1451	1460
ATG GTT TTG AAT	CAC CAG GGC	CGC CCA TCA	GGA GAT GCC	TTT ATC CAG	ATG AAG
M V L N	H Q G R	P S G D	A F I Q	M K	
1469	1478	1487	1496	1505	1514
TCT GCG GAC AGA	GCA TTT ATG	GCT GCA CAG	AAG TGT CAT	AAA AAA AAC	ATG AAG
S A D R	A F M A	A Q K C	H K K N	M K	
1523	1532	1541	1550	1559	1568
GAC AGA TAT GTT	GAA GTC TTT	CAG TGT TCA	GCT GAG GAG	ATG AAC TTT	GTG TTA
D R Y V	E V F Q	C S A E	E M N F	V L	
1577	1586	1595	1604	1613	1622
ATG GGG GGC ACT	TTA AAT CGA	AAT GGC TTA	TCC CCA CCG	CCA TGC CTG	TCT CCT
M G G T	L N R N	G L S P	P P P C	L S P	
1631	1640	1649	1658	1667	1676
CCC TCC TAC ACA	TTT CCA GCT	CCT GCT GCA	GTT ATT CCT	ACA GAA GCT	GCC ATT
P S Y T	F P A P	A A V I	P T E A	A I	
1685	1694	1703	1712	1721	1730
TAC CAG CCC TCT	GTG ATT TTG	AAT CCA CGA	GCA CTG CAG	CCC TCC ACA	GCG TAC
Y Q P S	V I L N	P R A L	Q P S T	A Y	
1739	1748	1757	1766	1775	1784
TAC CCA GCA GGC	ACT CAG CTC	TTC ATG AAC	TAC ACA GCG	TAC TAT CCC	AGC CCC
Y P A G	T Q L F	M N Y T	A Y Y P	S P	
1793	1802	1811	1820	1829	1838
CCA GGT TCG CCT	AAT AGT CTT	GGC TAC TTC	CCT ACA GCT	GCT AAT CTT	AGC GGT
P G S P	N S L G	Y F P T	A A N L	S G	
1847	1856	1865	1874	1883	1892
GTC CCT CCA CAG	CCT GGC ACG	GTG GTC AGA	ATG CAG GGC	CTG GCC TAC	AAT ACT
V P P Q	P G T V	V R M Q	G L A Y	N T	
1901	1910	1919	1928	1937	1946
GGA GTT AAG GAA	ATT CTT AAC	TTC TTC CAA	GGT TAC CAG	TAT GCA ACC	GAG GAT
G V K E	I L N F	F Q G Y	Q Y A T	E D	

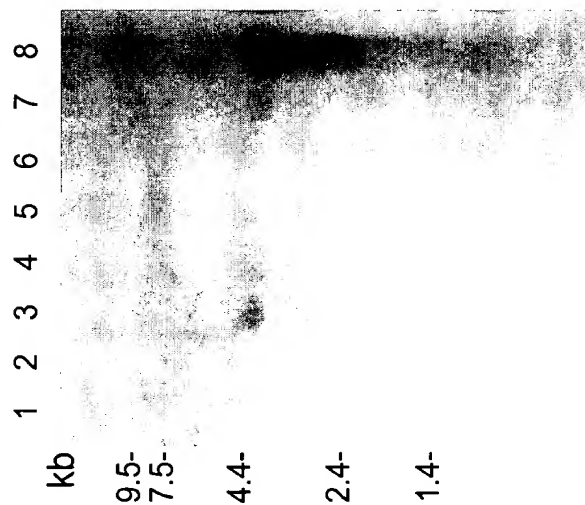
FIG. 1D

1955	1964	1973	1982	1991	2000
GGA CTT ATA	CAC ACA AAT	GAC CAG GCC	AGG ACT CTA	CCC AAA GAA	TGG GTT TGT
---	---	---	---	---	---
G L I	H T N	D Q A	R T L	P K E	W V C
2009	2018	2027	2036	2045	2054
ATT TAA GGG	CCC CAG CAG	TTA GAA CAT	CCT CAG AAA	AGA AGT GTT	TGA AAG ATG
---	---	---	---	---	---
I * G	P Q Q	L E H	P Q K	R S V	* K M
2063	2072	2081	2090	2099	2108
TAT GGT GAT	CTT GAA ACC	TCC AGA CAC	AAG AAA ACT	TCT AGC AAA	TTC AGG GGA
---	---	---	---	---	---
Y G D	L E T	S R H	K K T	S S K	F R G
2117	2126	2135	2144	2153	2162
AGT TTG TCT	ACA CTC AGG	CTG CAG TAT	TTT CAG CAA	ACT TGA TTG	GAC AAA CGG
---	---	---	---	---	---
S L S	T L R	L Q Y	F Q Q	T *	
2171	2180	2189	2198	2207	2216
GCC TGT GCC	TTA TCT TTT	GGT GGA GTG	AAA AAA TTT	GAG CTA GTG	AAG CCA AAT
---	---	---	---	---	---
2225	2234	2243	2252	2261	2270
CGT AAC TTA	CAG CAA GCA	GCA TGC AGC	ATA CCT GGC	TCT TTG CTG	ATT GCA AAT
---	---	---	---	---	---
2279	2288	2297	2306	2315	2324
AGG CAT TTA	AAA TGT GAA	TTT GGA ATC	AGA TGT CTC	CAT TAC TTC	CAG TTA AAG
---	---	---	---	---	---
2333	2342	2351	2360	2369	2378
TGG CAT CAT	AGG TGT TTC	CTA AGT TTT	AAG TCT TGG	ATA AAA ACT	CCA CCA GTG
---	---	---	---	---	---
2387	2396	2405	2414	2423	2432
TCT ACC ATC	TCC ACC ATG	AAC TCT GTT	AAG GAA GCT	TCA TTT TTG	TAT ATT CCC
---	---	---	---	---	---
2441	2450	2459	2468	2477	2486
GCT CTT TTC	TCT TCA TTT	CCC TGT CTT	CTG CAT AAT	CAT GCC TTC	TTG CTA AGT
---	---	---	---	---	---
2495	2504	2513	2522	2531	2540
AAT TCA AGC	ATA AGA TCT	TGG AAT AAT	AAA ATC ACA	ATC TTA GGA	GAA AGA ATA
---	---	---	---	---	---
2549	2558	2567	2576	2585	2594
AAA TTG TTA	TTT TCC CAG	TCT CTT GGC	CAT GAT GAT	ATC TTA TGA	TTA AAA ACA
---	---	---	---	---	---
2603	2612	2621	2630	2639	2648
AAT TAA ATT	TTA AAA CAC	CTG AAG ATA	AAT TAG AAG	AAA TTG TGC	ACC CTC CAC
---	---	---	---	---	---
2657	2666	2675	2684	2693	2702
AAA ACA TAC	AAA GTT TAA	AAG TTT GGA	TCT TTT TCT	CAG CAG GTA	TCA GTT GTA
---	---	---	---	---	---
2711	2720	2729	2738	2747	2756
AAT AAT GAA	TTA GGG GCC	AAA ATG CAA	AAC GAA AAA	TGA AGC AGC	TAC ATG TAG
---	---	---	---	---	---
2765	2774	2783	2792	2801	2810
TTA GTA ATT	TCT AGT TTG	AAC TGT AAT	TGA ATA TTG	TGG CTT CAT	ATG TAT TAT
---	---	---	---	---	---
2819	2828	2837	2846	2855	2864
TTT ATA TTG	TAC TTT TTT	CAT TAT TGA	TGG TTT GGA	CTT TAA TAA	GAG AAA TTC
---	---	---	---	---	---

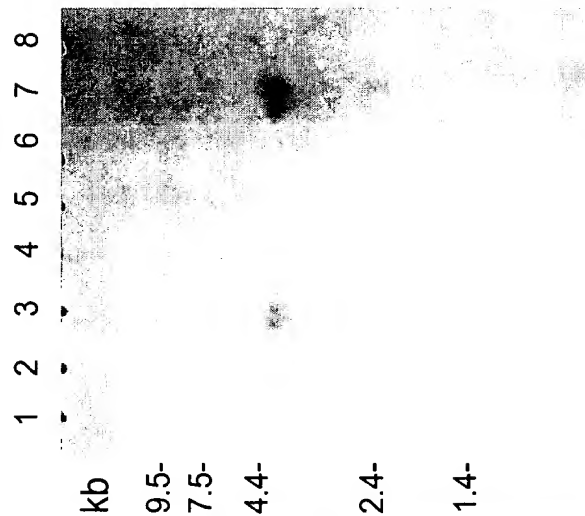
[illegible]



**FIG. 3A**



**FIG. 3B**



**FIG. 3C**

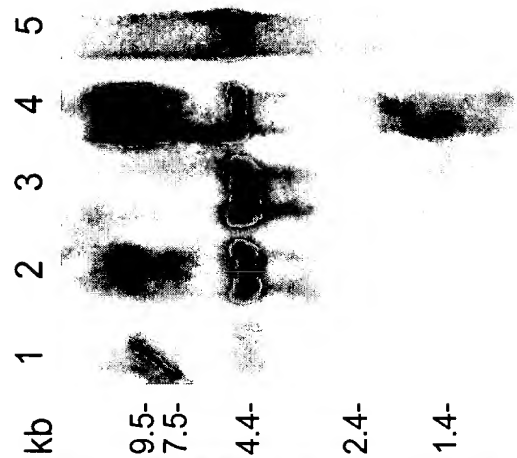


FIG. 4

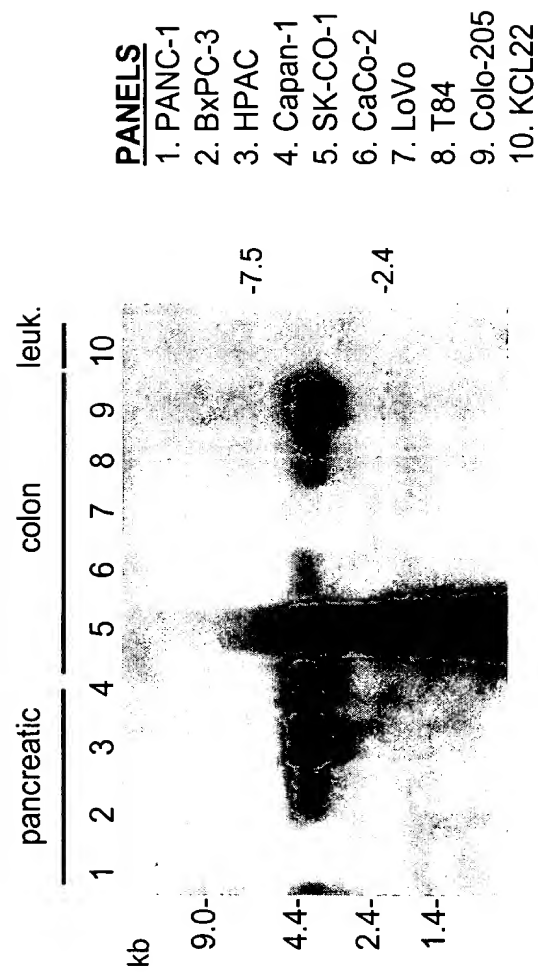
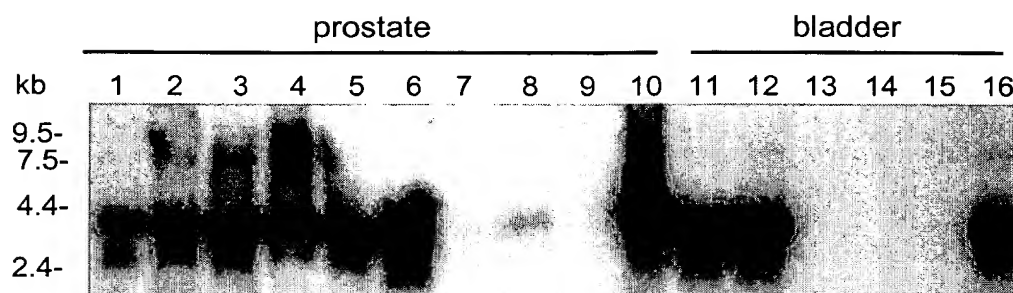




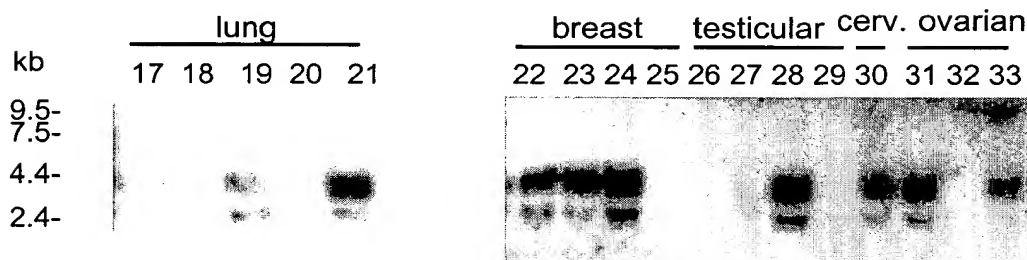
FIG. 5A



**PANELS**

- |              |               |
|--------------|---------------|
| 1. PrEC      | 9. Tsu-Pr1    |
| 2. LAPC-4 AD | 10. LAPC-4 CL |
| 3. LAPC-4 AI | 11. HT1197    |
| 4. LAPC-9 AD | 12. SCaBER    |
| 5. LAPC-9 AI | 13. UM-UC-3   |
| 6. LNCaP     | 14. TCCSUP    |
| 7. PC-3      | 15. J82       |
| 8. DU145     | 16. 5637      |

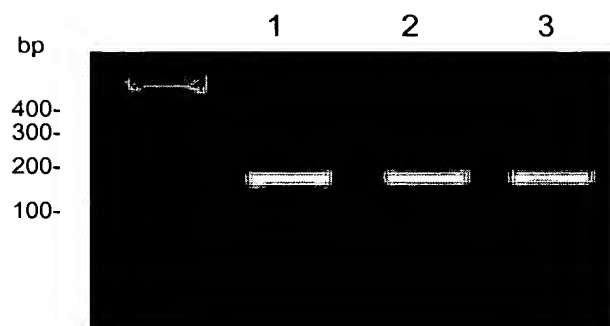
FIG. 5B



**PANELS**

- |                 |              |
|-----------------|--------------|
| 17. CALU-1      | 26. NTERRA-2 |
| 18. SK-LU-1     | 27. NCCIT    |
| 19. A427        | 28. TERA-1   |
| 20. NCI-H82     | 29. TERA-2   |
| 21. NCI-H146    | 30. A431     |
| 22. CAMA-1      | 31. OV-1063  |
| 23. DU4475      | 32. PA-1     |
| 24. MCF-7       | 33. SW626    |
| 25. MDA-MB-435s |              |

**FIG. 6**



- Bladder cancer patient pool
- Colon cancer patient pool
- Lung cancer patient pool

FIG. 7A

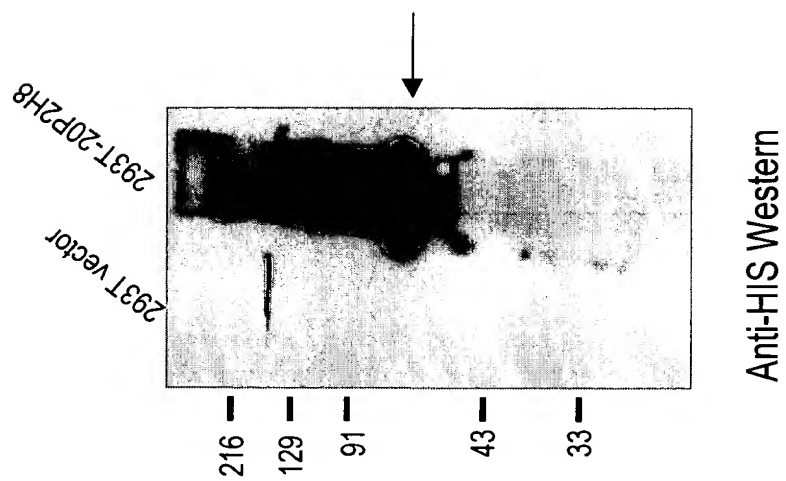
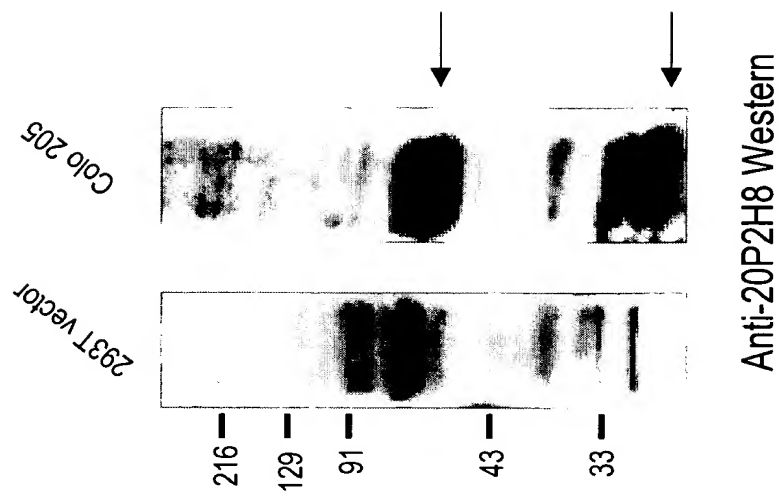


FIG. 7B



**FIG. 8**

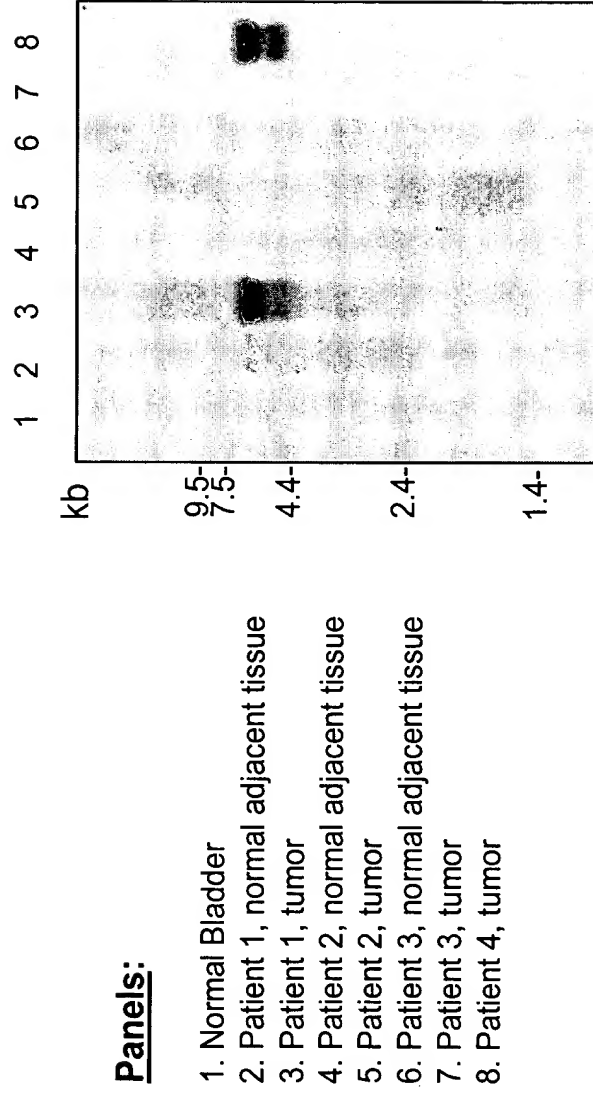


FIG. 9

